

AS

Abstract

Capping Layer for EUV Optical Elements

- 5 Optical elements such as multilayered EUV mirrors are provided with protective capping layers of diamond-like carbon (C), boron nitride (BN), boron carbide (B_4C), silicon nitride (Si_3N_4), silicon carbide (SiC), B, Pd, Ru, Rh, Au, MgF_2 , LiF, C_2F_4 , and TiN and compounds and alloys thereof. The final period of a multilayer coating may also be modified to provide improved protective characteristics

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Fig. 13

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